

CLAIMS

I claim:

1. A method of reducing routine pit stop time and improving routine pit stop safety at an automobile race track or a race course, the method comprising the steps of:
providing an assigned pit area;
providing use of a hydraulic jack within the pit area;
providing at least two jackmen within the pit area;
providing at least two tire changers within the pit area;
positioning the first jackman on the track side of a racing automobile after the automobile comes to rest in the pit area, with one side of the automobile towards the track and the other side of the automobile towards the pit wall, by the jackman passing around the front of the automobile from the pit wall side to the track side while carrying the jack;
lifting the track side of the automobile by the first jackman using the hydraulic jack until the tires on the track side have been changed by the tire changers;
lowering the track side of the automobile by the first jackman releasing the hydraulic jack;
passing the hydraulic jack, handle first, from the first jackman on the track side of the automobile over a predetermined portion of the automobile to the second jackman on the pit wall side of the automobile;
lifting the pit wall side of the automobile by the second

jackman using the hydraulic jack until the tires on the pit wall side have been changed by the tire changers; exiting the pit area by the first jackman taking a path behind the automobile and over the pit wall; lowering the pit wall side of the automobile by the second jackman releasing the hydraulic jack, signifying to the automobile driver that the pit stop has been completed and the driver may return to the race track.

2. The method of claim 1 wherein the predetermined portion of the automobile over which the hydraulic jack is passed is the automobile roof.
3. The method of claim 1 wherein the predetermined portion of the automobile over which the hydraulic jack is passed is the automobile hood.
4. The method of claim 1 wherein the predetermined portion of the automobile over which the hydraulic jack is passed is the automobile trunk.
5. The method of claim 1 wherein passing the hydraulic jack from the first jackman to a second jackman is assisted by use of mechanical means.
6. The method of claim 5 where the mechanical means comprises a hoist supported by a structure above the automobile.
7. The method of claim 6 wherein the structure is a platform.
8. The method of claim 7 wherein the platform is supported by telescoping legs.